

WES ENDER
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I. AMENDMENT

In the Claims:

Please amend claims 8, 9, 10, 12, 16, 17, 20, 21, 22, 23, 24, 25, 26, 28 and 29. Please add new claims 52-84.

1-7. (Cancelled)

8. (Currently Amended) An aerial dispersion system configured for use with a host aircraft, comprising:

112 2nd
two ~~one~~ or more modular aerial dispersant holding tanks configured to be sequentially loaded into said fixed wing host aircraft and coupled together within said fixed wing host aircraft to provide a dispersant material flow path configured as pseudo-cargo containers;

112 2nd
a dispersal regulator configured to be coupled to said one or more aerial dispersant holding tanks; and

an airborne dispersal device configured to be coupled to said dispersal regulator;

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wherein said host aircraft is a fixed wing aircraft; and

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aerial dispersant holding tanks are configured with a shape and outer dimensions that correspond to dimensions of a cargo container employed in the side-loading cargo system of said fixed wing host aircraft or wherein said one or more modular aerial dispersant holding tanks are configured for installation and removal from an aircraft passenger compartment of said fixed wing host aircraft through a passenger door opening of said fixed wing host aircraft.

Relative Phrase
Not Defined by
Claims or Spec.

I. AMENDMENT

In the Claims:

Please amend claims 8, 9, 10, 12, 16, 17, 20, 21, 22, 23, 24, 25, 26, 28 and 29. Please add new claims 52-84.

1-7. (Cancelled)

8. (Currently Amended) An aerial dispersion system configured for use with a host aircraft, comprising:

<sup>7,
(4,5)</sup>
two one or more modular aerial dispersant holding tanks configured to be sequentially loaded into said fixed wing host aircraft and coupled together within said fixed wing host aircraft to provide a dispersant material flow path configured as pseudo-cargo containers;

(tanks are removably mounted w/ fuselage and are capable of being ~~from~~ sequentially loaded)

a dispersal regulator configured to be coupled to said one or more aerial dispersant holding tanks; and ~~(31)~~ #31, #29, ~~#19~~ #19

an airborne dispersal device configured to be coupled to said dispersal regulator; ^(doors under tanks 4,5)
inherently connected to #31

wherein said host aircraft is a fixed wing aircraft; and (#2)

aerial dispersant holding tanks are configured with a shape and outer dimensions that correspond to dimensions of a cargo container employed in the side-loading cargo system of said fixed wing host aircraft, or wherein said one or more modular aerial dispersant holding tanks are configured for installation and removal from an aircraft passenger compartment of said fixed wing host aircraft through a passenger door opening of said fixed wing host aircraft.

(necessarily the tank 7,4,5 must be able to fit through ~~a~~ a door on the fuselage. The type of door is immaterial, since any door that can be used

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~~fit a so~~ for loading cargo necessarily allows passengers to pass there through. Thus ~~it~~ even if

tanks #4,5,7 can only fit through Cargo Doors, these are still "Passenger Doors"

112 *Platinum Phrase*

9. (Currently Amended) The aerial dispersion system of claim 8, wherein said aerial dispersant holding tanks are configured with a shape and outer dimensions that correspond to dimensions of a cargo container employed in the side-loading cargo system of said host aircraft ~~aerial dispersant holding tanks are configured as pseudo cargo containers that are compatible with a side-loading aircraft cargo system.~~

4, 5 & 7: are sized and shaped in such a manner that they fit w/ host aircraft

same as 8

10. (Currently Amended) The aerial dispersion system of claim 8, wherein said aerial dispersant holding tanks are configured with a shape and dimensions for installation in a passenger compartment of said host aircraft through a passenger door opening of said fixed wing host aircraft ~~aerial dispersant holding tanks are configured as pseudo cargo containers that are configured for installation and removal from an aircraft passenger compartment.~~

~~11. (Original)~~ The aerial dispersion system of claim 8, wherein each of said aerial dispersant holding tanks comprises at least one flow opening on a first end of said holding tank, said first flow opening being configured to sealably mate with a flow opening of an adjacent aerial dispersant holding tank when two or more of said aerial dispersant tanks are positioned in adjacent end-to-end relationship within the baggage or cargo hold of a host aircraft.

12. (Currently Amended) The aerial dispersion system of claim 8, wherein a first one of said aerial dispersant holding tanks is configured to be coupled to at least a second one of said aerial dispersant holding tanks to provide a dispersant material flow path from said first aerial dispersant holding tank to said second aerial dispersant holding tank when said first and second aerial dispersant tanks are positioned in adjacent front end-to-rear end relationship within the baggage or cargo hold of a host aircraft.

at least 2 #7 is adjacent to and mounted in end to end relationship with #4, #5 see Fig 1. The connection therebetween #18, #22 provides a flow path.

13. (Original) The aerial dispersion system of claim 8, wherein said dispersal regulator comprises at least a part of a dispersal equipment container or a dispersal equipment pallet.

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does at least modify

(1) or (2)

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14. (Original) The aerial dispersion system of claim 8, wherein said dispersal regulator comprises a pump. #19, #29

15. (Original) The aerial dispersion system of claim 12, wherein at least one of said first or second aerial dispersant tanks comprises flow control equipment configured to control flow of materials from said first aerial dispersant holding tank to said second aerial dispersant holding tank. #34, each tank has an air supply tube integral therewith that allows/enables a connection with the air supply. C3/L60-63

16. (Currently Amended) The aerial dispersion system of claim 8, further comprising a cargo door ~~pseudo-cargo door~~ configured to be removably disposed within a cargo opening of said host aircraft; and wherein said airborne dispersal device is configured to be coupled to said dispersal regulator through said cargo door ~~pseudo-cargo door~~. Since Applicant has not specifically defined the phrase "cargo door"

17. (Currently Amended) The aerial dispersion system of claim 8, further comprising a passenger door ~~pseudo-passenger door~~ configured to be removably disposed within a passenger door opening of said host aircraft; and wherein said airborne dispersal device is configured to be coupled to said dispersal regulator through said passenger door ~~pseudo-passenger door~~.

18. (Original) The aerial dispersion system of claim 8, wherein said one or more aerial dispersant holding tanks comprise a material containment subsystem; wherein said dispersal regulator comprises a material dispersal subsystem; and wherein said aerial dispersion system further comprises a control subsystem configured to be coupled to said material containment subsystem and said material dispersal subsystem. #31, #33, #25, #19, #29

19. (Original) The aerial dispersion system of claim 18, further comprising a navigation subsystem, a communications subsystem, and a sensor subsystem; wherein said navigation subsystem, communications subsystem, and sensor subsystem are configured to be coupled to said control subsystem; and wherein said control subsystem, said navigation subsystem and said communications subsystem are configured to be coupled to one or more systems of a host aircraft. *all aircraft inherently have every limitation of this claim.*

20. (Currently Amended) A method of converting a host aircraft for aerial dispersion purposes, comprising removably installing the aerial dispersion system of claim 8 on a host fixed wing aircraft. *see col 3, line 60*

21. (Currently Amended) An aerial dispersion method, comprising removably installing the aerial dispersion system of claim 8 on a host fixed wing aircraft to form an aircraft-based material dispersion system; and aerially dispersing a material from said aircraft-based material dispersion system. *see col 3, line 60*

8 22. (Currently Amended) An aircraft-based material dispersion system, comprising:

a fixed wing host aircraft;

two ~~one~~ or more modular aerial dispersant holding tanks sequentially disposed within said fixed wing host aircraft, said two or more modular aerial dispersant holding tanks being coupled together within said fixed wing host aircraft to provide a dispersant material flowpath ~~said aerial dispersant holding tanks being configured as pseudo-cargo containers;~~

a dispersal regulator disposed on said host aircraft and coupled to said two ~~one~~ or more aerial dispersant holding tanks; and

an airborne dispersal device disposed on said host aircraft and coupled to said dispersal regulator;

wherein said two or more aerial dispersant holding tanks are disposed within a baggage or cargo hold of said fixed wing host aircraft and are configured to be compatible with a side-loading aircraft cargo system of said fixed wing host aircraft, or wherein said two or more aerial dispersant holding tanks are disposed within a passenger compartment of said fixed wing host aircraft and are configured for installation and removal from an aircraft passenger compartment of said fixed wing host aircraft through a passenger door opening of said fixed wing host aircraft.

- 8 23. (Currently Amended) The aircraft-based material dispersion system of claim 22, ~~wherein said host aircraft has a side-loading cargo system;~~ and wherein said two one or more aerial dispersant holding tanks are configured as ~~pseudo-cargo containers that are to be~~ removably disposed within a said baggage or cargo hold of said host aircraft using said side-loading cargo system of said host aircraft.

*work since lacks antecedent basis
red. with a does not necessarily
cargo craft.*

- 8 24. (Currently Amended) The aircraft-based material dispersion system of claim 22, ~~wherein said host aircraft has at least one passenger door for access to a passenger compartment of said aircraft;~~ and wherein said two one or more aerial dispersant holding tanks are configured as ~~pseudo-cargo containers that are to be~~ removably disposed within a passenger compartment of said host aircraft through said passenger door opening. ✓

- 12 25. (Currently Amended) The aircraft-based material dispersion system of claim 23, wherein said system comprises two or more of said aerial dispersant holding tanks coupled together and

removably disposed in adjacent front end-to-rear end relationship within said baggage or cargo hold of said host aircraft.

12 ~~26.~~ (Currently Amended) The aircraft-based material dispersion system of claim 24, wherein said system comprises two or more of said aerial dispersant holding tanks coupled together and removably disposed in adjacent front end-to-rear end relationship within said passenger compartment of said host aircraft.

13 ~~27.~~ (Original) The aircraft-based material dispersion system of claim 25, further comprising flow control equipment coupled to at least one of said aerial dispersant holding tanks and configured to control flow of materials between two or more of said aerial dispersant holding tanks.

~~28.~~ (Currently Amended) The aircraft-based material dispersion system of claim 25, further comprising a cargo door ~~pseudo-cargo door~~ removably disposed within a cargo opening of said host aircraft; and wherein said airborne dispersal device is coupled to said dispersal regulator through said cargo door ~~pseudo-cargo door~~.

~~29.~~ (Currently Amended) The aircraft-based material dispersion system of claim 26, further comprising a passenger door ~~pseudo-passenger door~~ removably disposed within a passenger door opening of said host aircraft; and wherein said airborne dispersal device is coupled to said dispersal regulator through said passenger door ~~pseudo-cargo door~~.

~~30.~~ (Original) The aircraft-based material dispersion system of claim 23, wherein said dispersal regulator and said airborne dispersal device are removably installed on said host aircraft.

*circuits and drop doors and valves
and necessarily removable*

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31. (Original) The aircraft-based material dispersion system of claim 22, wherein said ~~two~~ one or more aerial dispersant holding tanks comprise a material containment subsystem; wherein said dispersal regulator comprises a material dispersal subsystem; and wherein said aerial dispersion system further comprises a control subsystem coupled to said material containment subsystem and said material dispersal subsystem.

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32. (Original) The aircraft-based material dispersion system of claim 31, further comprising a navigation subsystem, a communications subsystem, and a sensor subsystem; wherein said navigation subsystem, communications subsystem, and sensor subsystem are coupled to said control subsystem; and wherein said control subsystem, said navigation subsystem and said communications subsystem are coupled to one or more systems of said host aircraft.

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33. (Original) An aerial dispersion method, comprising aially dispersing one or more materials from the aircraft-based material dispersion system of claim 22.

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34. (Original) An aerial dispersion method, comprising aially dispersing one or more materials in a coordinated manner from a fleet of aircraft-based material dispersion systems of claim 22.

35. (Original) The aircraft-based material dispersion system of claim 22, wherein said host aircraft comprises a wide body aircraft.

112 Relative Terminology
all aircraft are inherently "wide" enough to fit multiple tanks and thus considered "wide bodied" for the purpose of examination. Especially when applicant has not provided any definition to the contrary.

36-51. (Cancelled)

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52. (New) The aerial dispersion system of claim 8, wherein said host aircraft comprises a wide body aircraft.

53. (New) The aerial dispersion method of claim 20, wherein said host aircraft comprises a wide body aircraft; and wherein said method further comprises removably installing the aerial dispersion system of claim 8 on said host fixed wing aircraft to temporarily convert said host aircraft for aerial dispersion purposes.

112 2nd
what purposes are encompassed? 112 2nd
54. (New) The aerial dispersion method of claim 20, wherein said host aircraft comprises a commercial passenger or cargo plane. fig 1

55. (New) The aerial dispersion method of claim 21, further comprising installing at least first and second aerial dispersant holding tanks into a baggage or cargo hold of said host fixed wing aircraft by slidably or rollably transporting said first and second aerial dispersant holding tanks within said baggage or cargo hold in a forward or rearward direction parallel to the longitudinal axis of the aircraft fuselage; and stacking said first and second aerial dispersant holding tanks in adjacent front end-to-rear end relationship within said baggage or cargo hold of said host aircraft.

56. (New) The aerial dispersion method of claim 21, wherein said method comprises aerially dispersing said material from said aircraft-based material dispersion system to suppress a fire.

57. (New) The aircraft-based material dispersion system of claim 22, wherein said host aircraft comprises a commercial passenger or cargo plane.